

I claim:

1. A grill rack cleaning device comprising:

plurality of substantially cylindrical clip members having a longitudinal opening, said clip member comprising a thin and elastically deflectable wall member which surrounds a substantially cylindrical hollow interior, and said clip members being sized such that the circular cross section of said hollow interior is approximately the same as the circular cross section of the parallel metal rods in a grill rack to be cleaned; and

a rigid main body;

wherein said clip members are securely attached to said main body in a parallel manner with respect to the longitudinal direction, and are also spaced apart from each other in transverse direction.

2. A grill rack cleaning device of claim 1, wherein an elongated handle is further attached to said main body.

3. A grill rack cleaning device of claim 2, wherein said handle is detachable.

4. A grill rack cleaning device of claim 1, wherein said rigid main body is made of at least one metal part selected from the group consisting of metal rod, metal plate, screw, bolts, metal nuts, metal wire, and metal strip.

5. A grill rack cleaning device of claim 1, wherein said clip member is made of a thin sheet metal material having a thickness of less than one eighth of an inch;
6. A grill rack cleaning device of claim 1, wherein said clip member is made of a thin sheet metal material having a thickness of less than one sixteenth of an inch.
7. A grill rack cleaning device of claim 1, wherein said clip members are welded to said main body.
8. A grill rack cleaning device of claim 1, wherein said clip members are adjustably secured to said main body along said transverse direction.
9. A grill rack cleaning device of claim 1, wherein said clip member further comprises a spear at one end and a protruded truncated pyramid portion on said wall member at the position where said clip member is attached to said main body.
10. A grill rack cleaning device comprising:
 - a rigid main body comprising a metal plate having at least one slot;
 - a set of screws adjustably secured in said slot of said main body; and
 - plurality of clip members having longitudinal opening, each of said clip members being securely attached to one of said screws, and said clip members comprising a thin

and elastically deflectable metal wall member.

11. A grill rack cleaning device of claim 10, wherein said clip members are substantially cylindrical in shape;
12. A grill rack cleaning device of claim 10, wherein an elongated handle is further secured to said main body.
13. A grill rack cleaning device of claim 10, wherein said clip member is made of a thin sheet metal material having a thickness of less than about one eighth of an inch.
14. A grill rack cleaning device of claim 13, wherein said clip members are spot-welded to the screws.
15. A grill rack cleaning device of claim 13, wherein said handle is detachable.
16. A method of cleaning a grill rack comprising
providing a cleaning device comprising a rigid main body and plurality of clip members securely attached to said main body, said clip member having a longitudinal opening and an thin wall member that surrounds an cylindrical interior, said clip members also being spaced apart in a parallel manner to match the metal rods spacing

in a grill rack to be cleaned;

placing said cleaning device against a grill rack to be cleaned such that said opening of each clip member rests along the individual parallel metal rod on a grill rack;

applying a pressure to said cleaning device to force said clip members to push against said parallel metal rods of said grill rack, causing said metal rods on said grill rack to insert into said cylindrical interior of said clip members; and

Sliding said cleaning device along the longitudinal direction of said metal rods to perform cleaning.

17. A method of cleaning a grill rack of claim 18, wherein said cleaning device further comprises an elongated handle securely attached to said rigid main body.